Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/10/2018 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124955	-1	1.79	125027	1.81
Blue	F	SSC	125000	122801	-2	3.35	123583	3.26
Blue	E	FITC	15492	15211	-2	3.54	352	21.45
Blue	D	PE	28736	28074	-3	2.73	616	16.23
Blue	B	PerCP-Cy5-5	41413	41151	-1	4.44	1125	22.54
Blue	A	PE-Cy7	31321	31546	0	6.91	571	47.86
Red	C	APC	41673	41087	-2	2.94	1586	13.29
Red	A	APC-Cy7	29962	29660	-2	2.75	742	13.83
Violet	B	V450	8318	7982	-5	4.36	454	13.89
Violet	A	V500	34199	33702	-2	4.15	813	10.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20154	4.81	607	-6	N/A	N/A	Pass
Blue	F	SSC	56230	2.50	574	6	N/A	N/A	Pass
Blue	E	FITC	58	72.23	557	-4	0.0165	152	Pass
Blue	D	PE	121	58.57	556	-4	0.1377	312	Pass
Blue	B	PerCP-Cy5-5	211	54.68	662	-5	0.0077	61	Pass
Blue	A	PE-Cy7	115	117.45	718	-4	0.0090	27	Pass
Red	C	APC	367	28.47	599	-2	0.0196	151	Pass
Red	A	APC-Cy7	184	31.21	573	-3	0.0048	1117	Pass
Violet	B	V450	66	69.02	471	-6	0.0516	2769	Pass
Violet	A	V500	114	34.10	489	-5	0.0228	682	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.58	-32.22	1.15
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	17.40	13.60 - 20.40	N/A	N/A	29.29	29.70	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11294

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments